

ANNOUNCEMENTS

POST-GRADUATE COURSE ON COMPUTATION THEORY

23 September–6 October, Udine, Italy

The course will give a systematical and comprehensive overview on main themes of current research in theoretical computer science. Nine eminent researchers will deliver 6–10 lectures each, on the following specific fields:

- Logic and complexity,
- Constructive approaches to models of computation and programming,
- Fundamentals of data base systems (especially dependency theory),
- Analysis of algorithms and data structures,
- Concurrency and distributed algorithms,
- Probabilistic algorithms and probabilistic complexity.

Each of these groups of lectures will present main methods, results and open problems in its specific research area, ending up with the actual state of the art. A lecture notes volume will be available after the course.

The invited lecturers are;

K.R. Apt (LITP, Paris, France), E. Börger (University of Dortmund, Germany), P. Flajolet (INRIA, Roquencourt, France), Yu. Gurevich (University of Michigan, Ann Arbor, Michigan, U.S.A.), M. Karpinski (Univ. of Pittsburgh, U.S.A.), P. Martin-Löf (University of Stockholm, Sweden), E. Shamir (Hebrew University, Jerusalem, Israel), E. Specker (ETH Zürich, Switzerland), M. Vardi (IBM Research, San José, U.S.A.).

The course is addressed above all to Ph.D. students and research assistants and will give them an opportunity to follow a problem oriented high level report on major streams of current research in theoretical computer science. Besides the lectures time is reserved for discussion and problem sessions.

Scientific coordinator: E. Börger (University of Dortmund, Germany).

Schedule: The lectures of 45 minutes each will be scheduled on Monday–Friday morning and afternoon with coffee breaks and a 2-hour break for lunch. Saturday/Sunday is reserved for excursions into the beautiful surroundings of Udine.

Accommodation: CISM may provide convenient lodging, at the price of approx. US\$ 7.00 per person per night, in double or single modern rooms of the University Residence (Casa dello Studente dell'Università, Viale Ungheria n. 43, Udine) to a very limited number of early applicants. Requests arriving after 30 June will not be considered.

General Information: The town of Udine is located in North-eastern Italy, 130 km from Venice, and 70 km from Trieste. It is a quiet, medium size town, with easy connections to neighbouring Austria and Yugoslavia. Its surrounding region, the Friuli, has an expanding economy based on agriculture and small-medium industries. A University is located in Udine, where courses in Computer Science and Engineering are offered among others. The cost of living is on average comparable with countries like the United Kingdom, France or Austria.

Scholarships: A restricted number of grants covering part of or the entire registration fee of US\$ 300.00 (US\$ 200.00 for regular staff of universities or Academies of Science) can be provided by CISM on early application. Such a request should explain why the candidate cannot obtain financial support from his home institution and should be accompanied by a letter of recommendation.

Application: Applicants to CCT should send their registration as early as possible but not later than 30 June, 1984 to the address below indicating complete address, qualification and time of arrival/departure. The registration must be accompanied by a copy of the receipt of the participation fee of US\$ 300.00 (resp. US\$ 200.00 for regular staff of universities or Academies of Science) to: CISM, Account No. 500/1920, Cassa di Risparmio di Udine e Pordenone, I-33100 Udine.

Address for registration and further information:

CISM
CCT
Piazza Garibaldi 18
I-33100 Udine
Italy
Phone: (0432)29 49 89

ADVANCED COURSE ON LOGICS AND MODELS FOR VERIFICATION AND SPECIFICATION OF CONCURRENT SYSTEMS

8-19 October 1984, La Colle-sur-loup (19 km from Nice, France)

Organized by: INRIA, Rocquencourt, France.

Directors: K.R. Apt, Université Paris 7, Paris,

G. Berry, Ecole des Mines, Sophia Antipolis.

Sponsored by the NATO Science Committee.

For application forms ask your institution or write to:

INRIA
Service des Relations Extérieures
B.P. 105
78153 Le Chesnay Cédex
France
Tél.: 16 (3) 954 90 20

Deadline for application: June 18, 1984.

Lecturers:

K.R. Apt (Paris, France), G. Boudol (Sophia Antipolis, France), S. Brookes (Pittsburgh, U.S.A.), E.M. Clarke (Pittsburgh, U.S.A.), Ph. Darondeau (Rennes, France), L. Farinas Del Cerro (Toulouse, France), N. Francez (Haifa, Israel), D. Gabbay (Tel Aviv, Israel), J.Y. Hailpern (San Jose, U.S.A.), B. Halpern (Yorktown Heights, U.S.A.), D. Harel (Rehovot, Israel), M. Hennessy (Edinburgh, United Kingdom), L. Lamport (Palo Alto, U.S.A.), J. Misra (Austin, U.S.A.), E.-R. Olderog (Kiel, Fed. Rep. Germany), A. Pnueli (Rehovot, Israel), W.P. De Roever (Utrecht, Netherlands), J. Sifakis (Grenoble, France).

Topics include:

- Temporal logic,
- Syntax directed verification methods,
- Communicating sequential processes (CSP),
- Calculus of Communicating Systems (CCS).